

Data

Permissible non-parallelity of the upper control arm	1.5
Permissible bending of the upper control arm (measured along the longitudinal vehicle axle at the guide joint)	2
Permissible bending of ball pin for guide joint	0.5

Special tools

Device for checking upper control arm	115 589 11 23 00
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Commercially available tools

Measuring stand	e.g. Messrs. Bosch, Stgt.-Feuerbach Order No. 0601 980 001
Dial gauge A1 DIN 878	e.g. Messrs. Mahr, Esslingen Order No. 810 St

1 To check for bending and non-parallelity, place the complete control arm with rubber mounts in the special device (62) (Fig. 1).

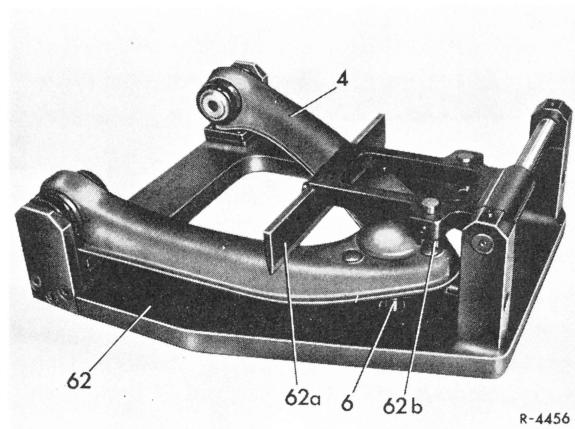


Fig. 1

4 Upper control arm
6 Guide joint
62 Special device

62a Rule for checking non-parallelity
62b Wedge-shaped bolt for checking bending

2 Check distortion with the rule (62a)

3 Measure bending at the guide joint with wedge-shaped bolt (62b).

4 To check ball pin for bending, insert receiving ring into the chuck of a lathe.

Receiving ring self-made according to Fig. 2.

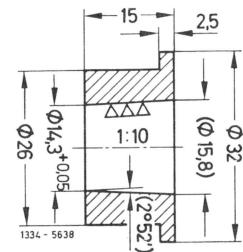


Fig. 2

5 Insert ball pin into receiving ring and press in.

33.1 Check upper control arm

6 Attach dial gauge to the upper control arm with 1 mm pretension and measure bending of the ball pin at approx. 25/min (Fig. 3).

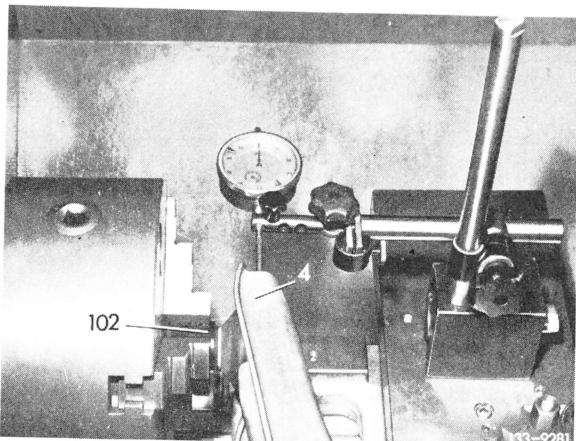


Fig. 3

4 Upper control arm 102 Receiving ring